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RAW SEQUENCE LISTING

DATE: 04/16/2002

PATENT APPLICATION: US/09/978,309A

TIME: 11:29:37

Input Set: A:\033352-010.ST25.txt

Output Set: N:\CRF3\04162002\I978309A.raw

P.6

4 <110> APPLICANT: Cruz, Tony
 5 Pastrak, Aleksandra
 6 Turley, Eva A.
 8 <120> TITLE OF INVENTION: Compositions and Methods for Treating Cellular Response to
 9 Injury and Other Proliferating Cell Disorders Regulated by
 10 Hyaladherin and Hyaluronans
 12 <130> FILE REFERENCE: 033352-010
 14 <140> CURRENT APPLICATION NUMBER: US 09/978,309A
 C--> 15 <141> CURRENT FILING DATE: 2002-04-04
 17 <150> PRIOR APPLICATION NUMBER: US 09/685,010
 18 <151> PRIOR FILING DATE: 2000-10-05
 20 <150> PRIOR APPLICATION NUMBER: US 09/541,522
 21 <151> PRIOR FILING DATE: 2000-04-03
 23 <150> PRIOR APPLICATION NUMBER: US 60/127,457
 24 <151> PRIOR FILING DATE: 1999-04-01
 26 <160> NUMBER OF SEQ ID NOS: 84
 28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 30 <210> SEQ ID NO: 1
 31 <211> LENGTH: 8
 32 <212> TYPE: PRT
 33 <213> ORGANISM: Artificial Sequence
 35 <220> FEATURE:
 36 <223> OTHER INFORMATION: Peptide that binds a hyalauronan
 W--> 38 <221> NAME/KEY: VARIANT
 39 <222> LOCATION: (1)...(5)
 40 <223> OTHER INFORMATION: Xaa = any amino acid
 W--> 42 <221> HELIX
 43 <222> LOCATION: (1)...(5)
 44 <223> OTHER INFORMATION: Alpha-helix
 W--> 46 <221> VARIANT
 47 <222> LOCATION: (6)...(8)
 48 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
 W--> 50 <400> 1
 W--> 51 Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 52 1 5
 55 <210> SEQ ID NO: 2
 56 <211> LENGTH: 11
 57 <212> TYPE: PRT
 59 <213> ORGANISM: Artificial Sequence
 61 <220> FEATURE:
 62 <223> OTHER INFORMATION: Peptide that binds a hyalauronan
 W--> 64 <221> NAME/KEY: VARIANT
 65 <222> LOCATION: (1)...(5)

ENTERED

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66 <223> OTHER INFORMATION: Xaa = any amino acid
W--> 68 <221> HELIX
69 <222> LOCATION: (1)...(5)
70 <223> OTHER INFORMATION: Alpha-helix
W--> 72 <221> VARIANT
73 <222> LOCATION: 6
74 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
W--> 76 <221> VARIANT
77 <222> LOCATION: 7
78 <223> OTHER INFORMATION: Xaa = Hydrophobic or neutral amino acid consisting
79     of I, L, V, Q, S
W--> 81 <221> VARIANT
82 <222> LOCATION: (8)...(9)
83 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
W--> 85 <221> VARIANT
86 <222> LOCATION: (10)...(10)
87 <223> OTHER INFORMATION: Xaa = Hydrophobic or neutral amino acid consisting
88     of I, L, V, Q, S
W--> 90 <221> VARIANT
91 <222> LOCATION: (11)...(11)
92 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
W--> 94 <400> 2
W--> 95 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
96     1             5             10
99 <210> SEQ ID NO: 3
100 <211> LENGTH: 12
101 <212> TYPE: PRT
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Peptide that binds a hyalauronan
W--> 107 <221> NAME/KEY: VARIANT
108 <222> LOCATION: (1)...(5)
109 <223> OTHER INFORMATION: Xaa = any amino acid
W--> 111 <221> HELIX
112 <222> LOCATION: (1)...(5)
113 <223> OTHER INFORMATION: Alpha-helix
W--> 115 <221> VARIANT
117 <222> LOCATION: 6
118 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
W--> 120 <221> VARIANT
121 <222> LOCATION: 7
122 <223> OTHER INFORMATION: Xaa = Hydrophobic or neutral amino acid consisting
123     of I, L, V, Q, S
W--> 125 <221> VARIANT
126 <222> LOCATION: 8
127 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
W--> 129 <221> VARIANT
130 <222> LOCATION: (9)...(9)
131 <223> OTHER INFORMATION: Xaa = Hydrophobic or neutral amino acid consisting

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132      of I, L, V, Q, S
W--> 134 <221> VARIANT
135 <222> LOCATION: (10)...(12)
136 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
W--> 138 <400> 3
W--> 139 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
140      1          5          10
143 <210> SEQ ID NO: 4
144 <211> LENGTH: 10
145 <212> TYPE: PRT
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Peptide that binds a hyalauronan
W--> 151 <221> NAME/KEY: VARIANT
152 <222> LOCATION: (1)...(5)
153 <223> OTHER INFORMATION: Xaa = any amino acid
W--> 155 <221> HELIX
156 <222> LOCATION: (1)...(5)
157 <223> OTHER INFORMATION: Alpha-helix
W--> 159 <221> VARIANT
160 <222> LOCATION: 6
161 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
W--> 163 <221> VARIANT
164 <222> LOCATION: 7
165 <223> OTHER INFORMATION: Xaa = Hydrophobic or neutral amino acid consisting
166      of I, L, V, Q, S
W--> 168 <221> VARIANT
169 <222> LOCATION: (8)...(10)
170 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
W--> 172 <400> 4
W--> 173 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
175      1          5          10
178 <210> SEQ ID NO: 5
179 <211> LENGTH: 9
180 <212> TYPE: PRT
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Peptide that binds a hyalauronan
W--> 186 <221> NAME/KEY: VARIANT
187 <222> LOCATION: (1)...(5)
188 <223> OTHER INFORMATION: Xaa = Any amino acid
W--> 190 <221> HELIX
191 <222> LOCATION: (1)...(5)
192 <223> OTHER INFORMATION: Alpha-helix
W--> 194 <221> VARIANT
195 <222> LOCATION: 6
196 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
W--> 198 <221> VARIANT
199 <222> LOCATION: 7

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200 <223> OTHER INFORMATION: Xaa = Hydrophobic or neutral amino acid consisting
201     of I, L, V, Q, S
W--> 203 <221> VARIANT
204 <222> LOCATION: (8)...(9)
205 <223> OTHER INFORMATION: Xaa = Lysine or Arginine
W--> 207 <400> 5
W--> 208 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
209     1             5
212 <210> SEQ ID NO: 6
213 <211> LENGTH: 7
214 <212> TYPE: PRT
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Peptide that binds a hyalauronan
W--> 220 <221> NAME/KEY: HELIX
221 <222> LOCATION: (1)...(5)
222 <223> OTHER INFORMATION: Alpha-helix
W--> 224 <400> 6
225 Met Met Thr Val Leu Lys Arg
226     1             5
229 <210> SEQ ID NO: 7
230 <211> LENGTH: 11
231 <212> TYPE: PRT
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Peptide that binds a hyalauronan
W--> 238 <221> NAME/KEY: HELIX
239 <222> LOCATION: (1)...(5)
240 <223> OTHER INFORMATION: Alpha-helix
W--> 242 <400> 7
243 Met Met Thr Val Leu Lys Val Lys Arg Leu Arg
244     1             5             10
247 <210> SEQ ID NO: 8
248 <211> LENGTH: 12
249 <212> TYPE: PRT
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Peptide that binds a hyalauronan
W--> 255 <221> NAME/KEY: HELIX
256 <222> LOCATION: (1)...(5)
257 <223> OTHER INFORMATION: Alpha-helix
W--> 259 <400> 8
260 Met Met Thr Val Leu Lys Val Lys Val Lys Arg Lys
261     1             5             10
264 <210> SEQ ID NO: 9
265 <211> LENGTH: 10
266 <212> TYPE: PRT
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:

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270 <223> OTHER INFORMATION: Peptide that binds a hyalauronan
W--> 272 <221> NAME/KEY: HELIX
273 <222> LOCATION: (1)...(5)
274 <223> OTHER INFORMATION: Alpha-helix
W--> 276 <400> 9
277 Met Met Thr Val Leu Lys Val Arg Lys Arg
278 1 5 10
281 <210> SEQ ID NO: 10
282 <211> LENGTH: 9
283 <212> TYPE: PRT
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Peptide that binds a hyalauronan
W--> 289 <221> NAME/KEY: HELIX
291 <222> LOCATION: (1)...(5)
292 <223> OTHER INFORMATION: Alpha-helix
W--> 294 <400> 10
295 Met Met Thr Val Leu Lys Val Arg Lys
296 1 5
299 <210> SEQ ID NO: 11
300 <211> LENGTH: 13
301 <212> TYPE: PRT
302 <213> ORGANISM: Homo sapien
304 <400> SEQUENCE: 11
305 Lys Leu Gln Ala Thr Gln Lys Pro Leu Thr Glu Ser Lys
306 1 5 10
309 <210> SEQ ID NO: 12
310 <211> LENGTH: 12
311 <212> TYPE: PRT
312 <213> ORGANISM: Homo sapien
314 <400> SEQUENCE: 12
315 Val Ser Ile Glu Lys Glu Lys Ile Asp Glu Lys Ser
316 1 5 10
319 <210> SEQ ID NO: 13
320 <211> LENGTH: 6
321 <212> TYPE: PRT
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Peptide developed based upon the TAM domain
326 (Transient Activator of MAP kinases)
W--> 328 <221> NAME/KEY: VARIANT
329 <222> LOCATION: 3
330 <223> OTHER INFORMATION: Xaa = any amino acid
W--> 332 <400> 13
W--> 333 Val Ser Xaa Glu Lys Glu
334 1 5
337 <210> SEQ ID NO: 14
338 <211> LENGTH: 23
339 <212> TYPE: PRT

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/978,309A

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Input Set : A:\033352-010.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,4,5,6,7,8
Seq#:2; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11
Seq#:3; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12
Seq#:4; Xaa Pos. 1,2,3,4,5,6,7,8,9,10
Seq#:5; Xaa Pos. 1,2,3,4,5,6,7,8,9
Seq#:13; Xaa Pos. 3
Seq#:17; Xaa Pos. 12
Seq#:28; Xaa Pos. 1,2,3,4,5,6,7,8,9
Seq#:29; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11

VERIFICATION SUMMARY

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Input Set : A:\033352-010.ST25.txt

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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:38 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:42 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:46 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:50 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:64 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:68 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:72 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:76 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:81 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:85 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:90 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:94 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:107 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:111 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:115 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:120 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:125 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:129 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:134 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:138 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:151 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:155 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:159 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:163 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:168 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:172 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:186 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:190 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:194 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:198 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:203 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:207 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:220 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:224 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:238 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:242 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:7
L:255 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:259 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:8
L:272 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:276 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:9
L:289 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:294 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:10

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Input Set : A:\033352-010.ST25.txt

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L:328 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:332 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:13
L:333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:509 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:513 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:28
L:518 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:28
L:523 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:28
L:527 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:28
L:528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:540 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:544 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:29
L:549 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:29
L:553 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:29
L:558 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:29
L:562 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:29
L:563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0